

10

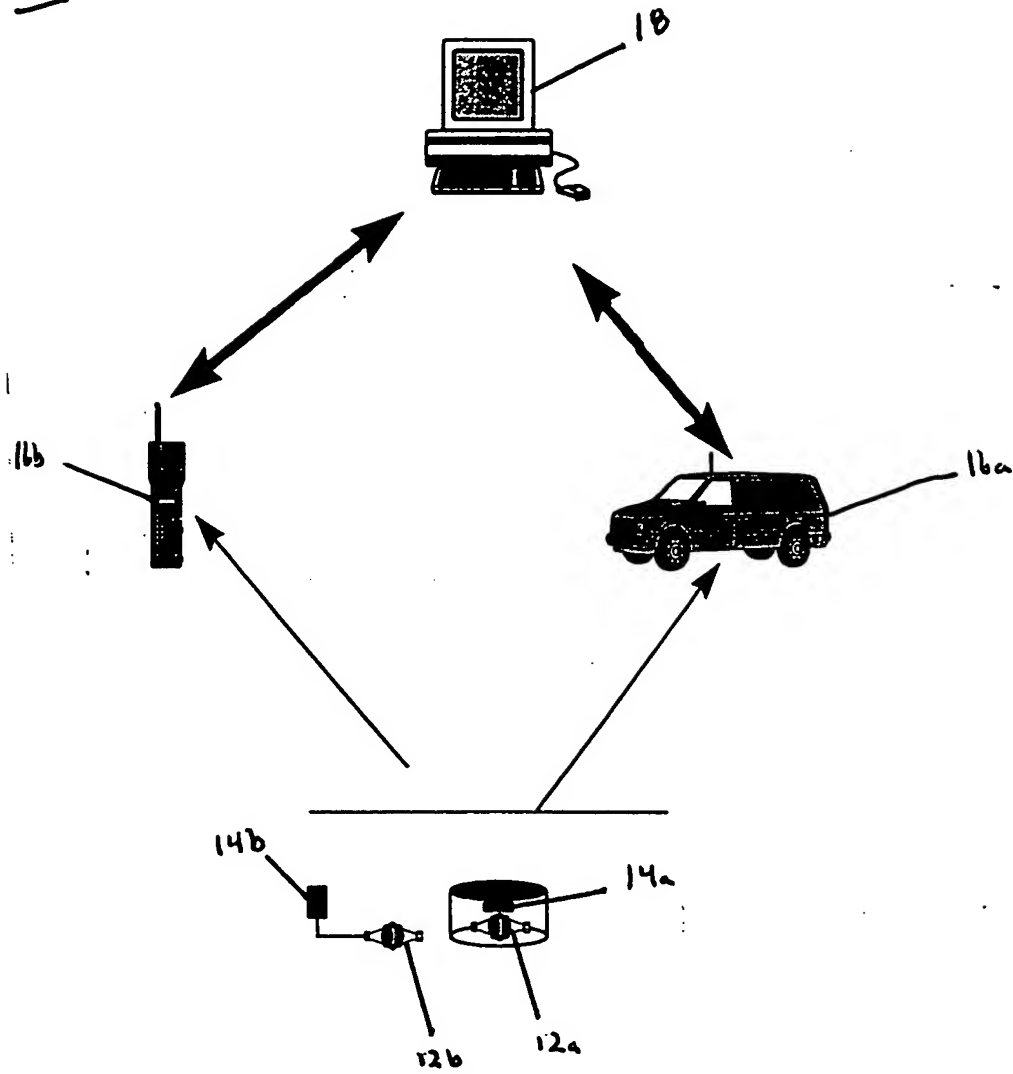
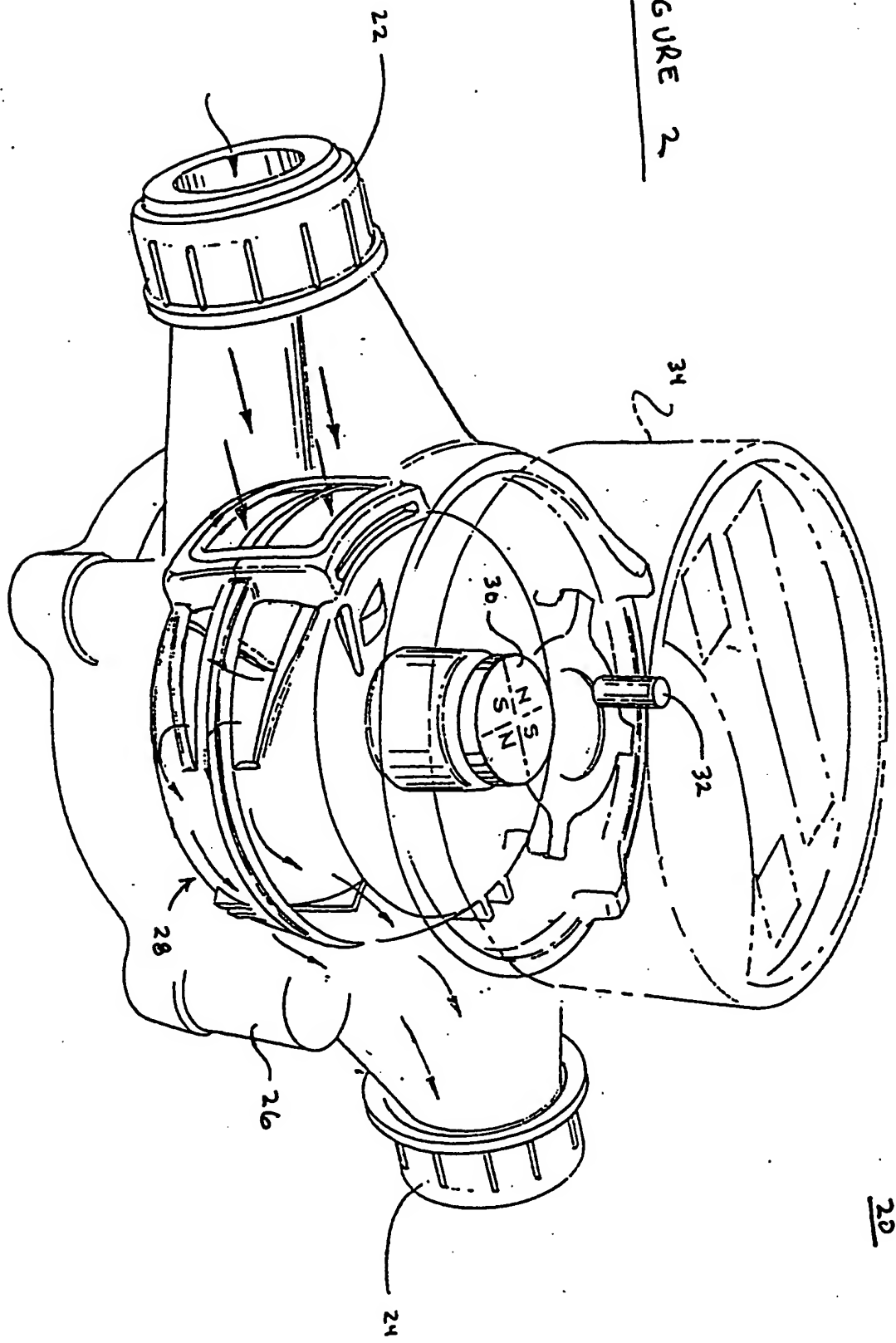


FIGURE 1

FIGURE 2



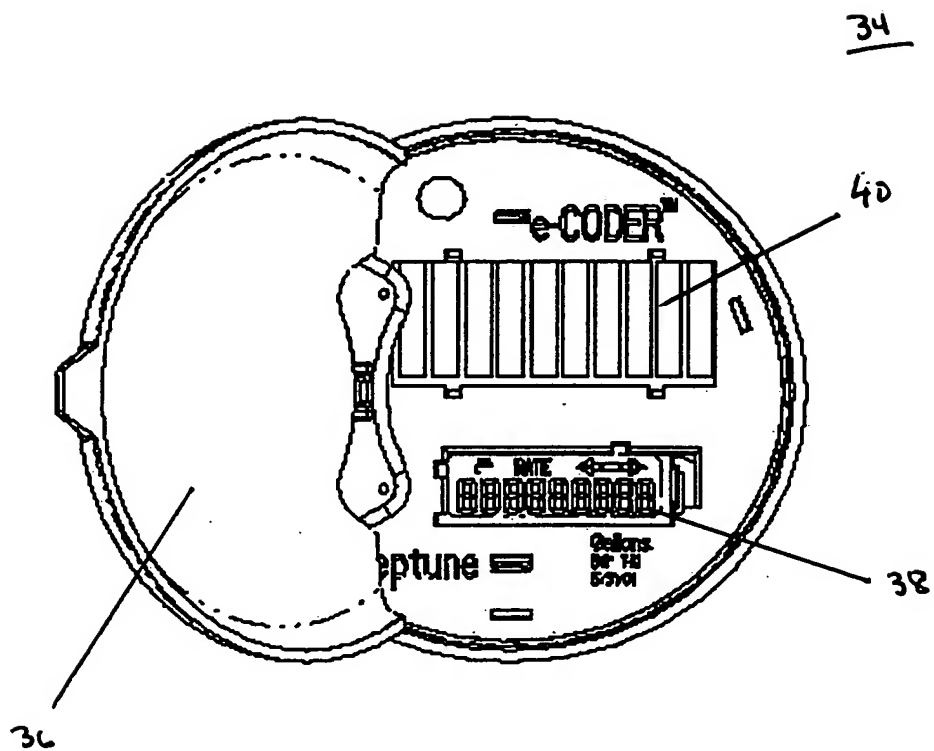


Figure 3

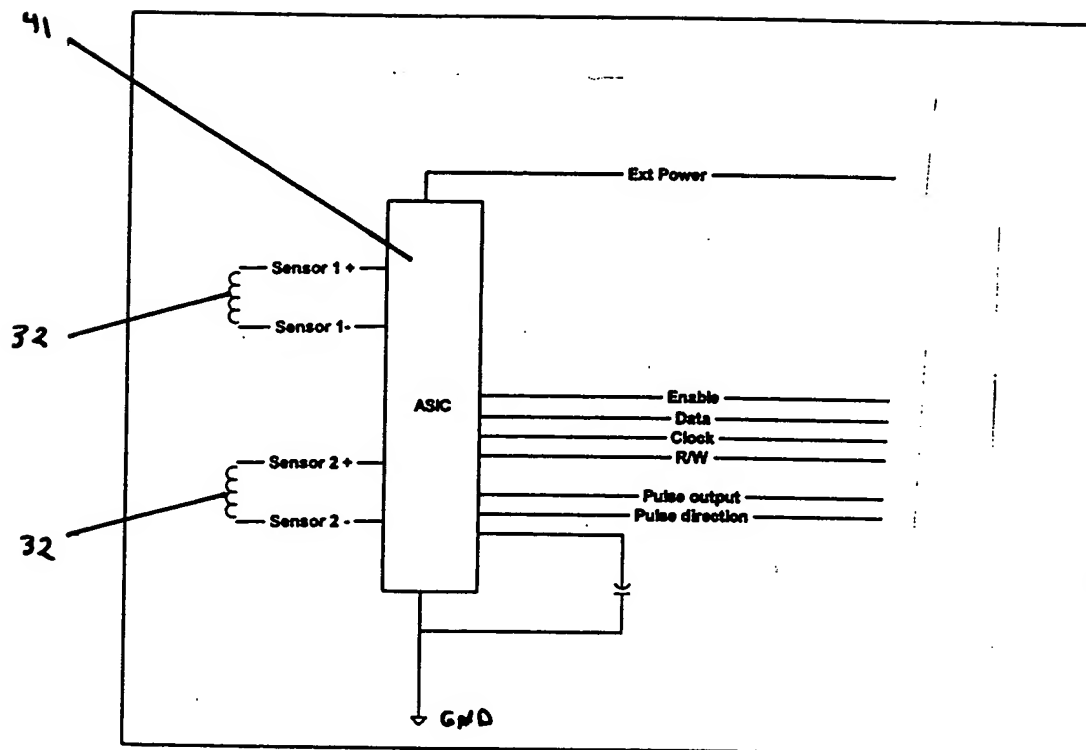


Figure 4

Figure 5



Figure 6

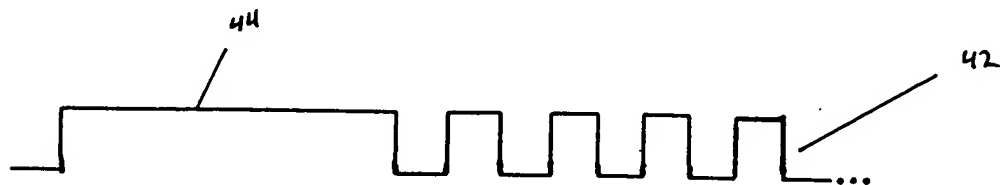


Figure 7

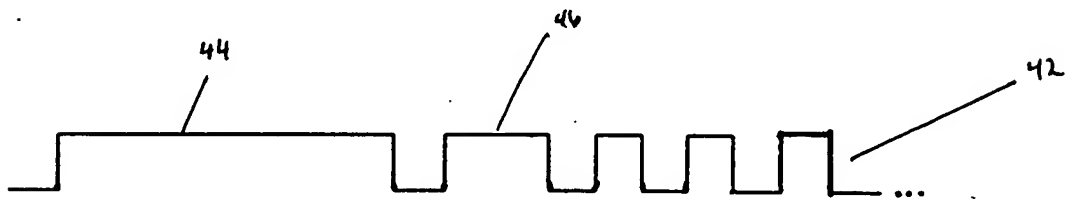


Figure 8

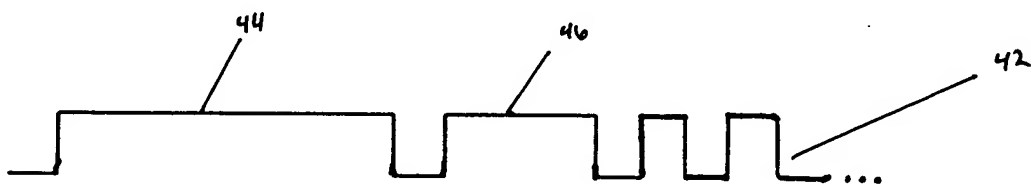


Figure 9

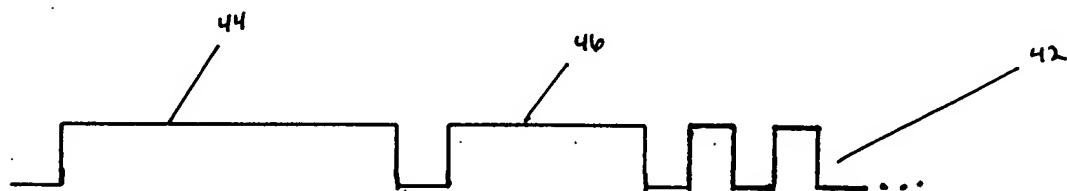


Figure 10a

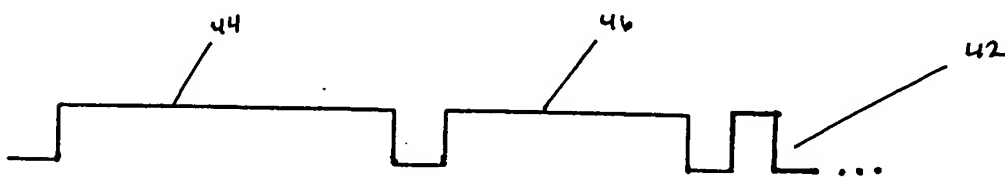
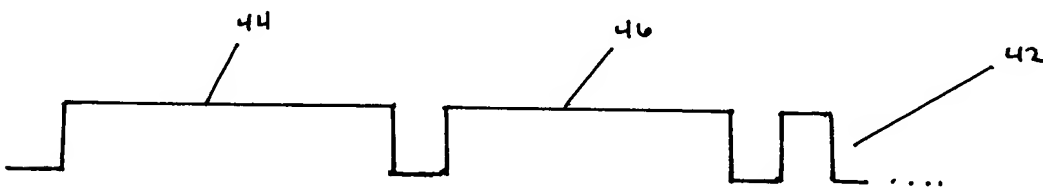


Figure 10b



Leak Detection Current	Bit Value
Less than 1 <sup>st</sup> threshold value (50) of time intervals (15 min.) where $V_{min}$ is exceeded during the previous 24-hr period. INITIAL VALUE.	00
Between 1 <sup>st</sup> and 2 <sup>nd</sup> threshold values (50-95).	01
Greater than 2 <sup>nd</sup> threshold value (96 15 min intervals).	10
Feature not available	11

**Figure 11**

Days of Continuous Leak	Bit Values
0 INITIAL VALUE	000
1-2	001
3-7	010
8-14	011
15-21	100
22-34	101
35 ALL	110
Feature not available	111

**Figure 12**

# Flow/Direction Indication



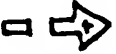

Flow Rate	LCD Display	Bit Value
Zero	None	00
$Q_{start} (\pm)$	 or 	01
$\frac{1}{2}$ Max Flow ( $\pm$ )	 or 	10
Feature Not Available	NONE	11

Figure 13a

Consecutive Days of No Flow	Bit Values
0 INITIAL VALUE	000
1-2	001
3-7	010
8-14	011
15-21	100
22-34	101
35 ALL	110
Feature not available	111

Figure 13b

Days with no flow	Bit Value
Less than 1 <sup>st</sup> threshold value (7days). INITIAL VALUE	00
Between 1 <sup>st</sup> and 2 <sup>nd</sup> threshold values (7 – 14 days).	01
Greater than 2 <sup>nd</sup> threshold value (14 days).	10
Feature not available.	11

Figure 13c

<i>PCBV Measurement</i>	<i>Indication</i>	<i>Bit Value</i>
Zero - Min Value	Peak Continuous Back-flow Volume (PCBV) for last 35 days was below Min Value. INITIAL VALUE	00
Min Value - Max Value	PCBV for last 35 days was between Min Value and Max Value. Abnormal Indication for application with Backflow protection. Normal Indication for application without Backflow protection.	01
> Max Value	PCBV exceeded Max Value during last 35 days. Abnormal Indication for any application.	10
Unknown	Feature not available	11

**Figure 14**

<i>PBV Measurement</i>	<i>Indication</i>	<i>Bit Value</i>
Zero - Min Value	Peak Back-flow Volume (PBV) for last 35 days was below Min Value. INITIAL VALUE	00
Min Value - Max Value	PBV for last 35 days was between Min Value and Max Value. Abnormal Indication for application with Backflow protection. Normal Indication for application without Backflow protection.	01
> Max Value	PBV exceeded Max Value during last 35 days.	10
Unknown	Feature not available	11

**Figure 15**